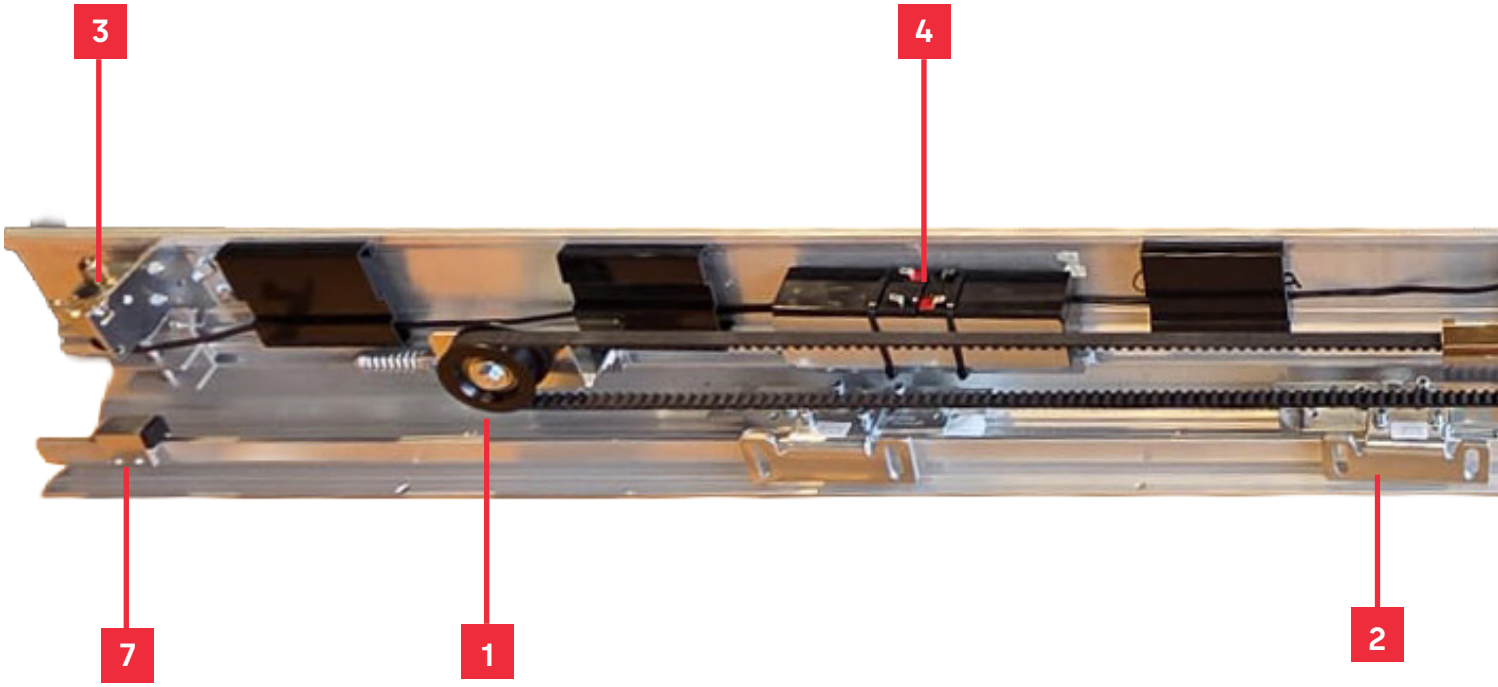
dormakaba

dk tech 120
Automatic sliding door operator



dk tech 120

Automatic sliding door operator



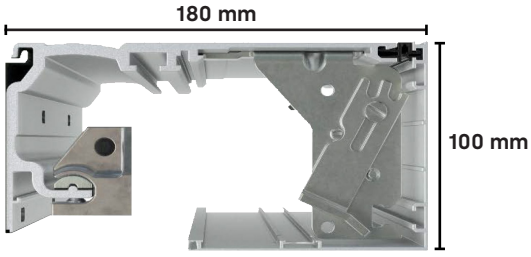
Features:

dk tech 120 automatic sliding door operator combines a powerful control unit with a high-torque motor, delivering reliable performance for wider entrances and demanding applications, with a load capacity of up to 2 × 120 kg.

- High-torque brushless DC motor designed for large and heavy door leaves
- Self-adjusting, low-friction roller system ensuring quiet and smooth operation
- Engineered for intensive use: up to 2,000,000 opening and closing cycles*
- Optimized control system for enhanced safety and operational reliability
- Supports double-leaf applications with a total load capacity of up to 240 kg for wide openings
- Optional backup battery for uninterrupted operation during power failures

* 1,000,000 cycles have been successfully completed to date; testing is ongoing.

Operator profile cross-section



Electromechanical locking systems

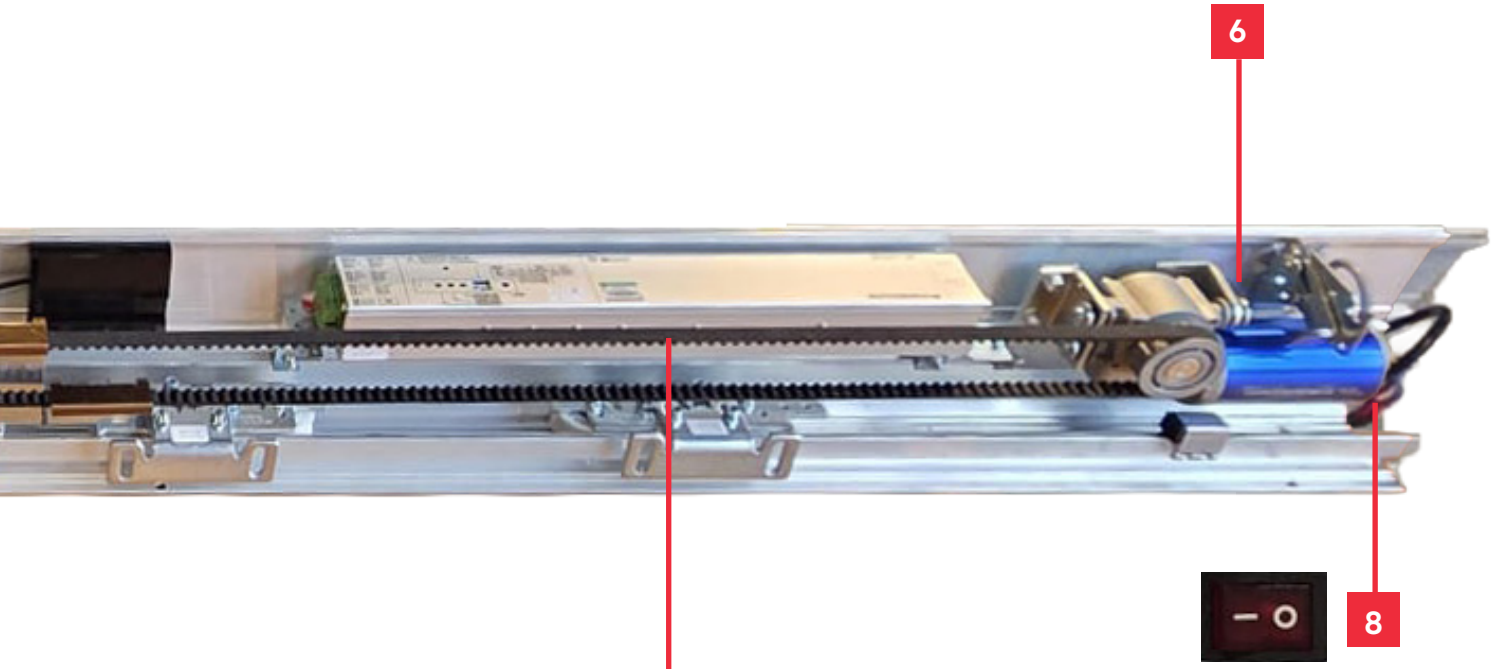


Monostable Lock (Fail safe)

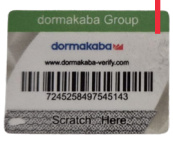


Bistable Lock

NEW







Product Authenticity Verification

Scratch off the protective layer on the verification label located on the control unit to reveal the verification code. Enter the code at http://www.dormakaba-verify.com/ to confirm the authenticity of your product.

Components:

1. Toothed belt with integrated tensioner
2. Hanger bracket
3. Monostable (fail-safe) lock (optional)
4. Backup battery (optional)
5. Control unit
6. Drive motor
7. End stopper
8. Main power switch

ST Profile Sliding Doors

Profile Types
Standard application:
- Slim-profile door leaves
- Thick-profile door leaves
- Thermally insulated profile door leaves

Glass Types
Standard application:
- 4+4 mm laminated glass
- Special glass



dormakaba automatic door components are covered by a 2-year warranty against production defects from the date of delivery, and a 1-year warranty against manufacturing and installation defects. In addition, a 10-year spare parts availability guarantee is provided.

Advantages

- Developed for intensive use scenarios, the dk tech 120 redefines performance continuity with a durability of up to 2,000,000 opening and closing cycles.*
- Installation is carried out by dormakaba's expert teams and certified authorized personnel.
- For cases outside the warranty scope, dormakaba provides additional maintenance and repair services. With an annual maintenance agreement, dormakaba commits to delivering two periodic "Maintenance and Repair" services per year.

* 1,000,000 cycles have been successfully completed to date; testing is ongoing.

Connections

1 Locking device (optional)

2 Battery (optional)

3 BEA GW-1 Radar motion detector (Ext)

4 BEA GW-1 Radar motion detector (Int)

5 dk tech 120 Control unit

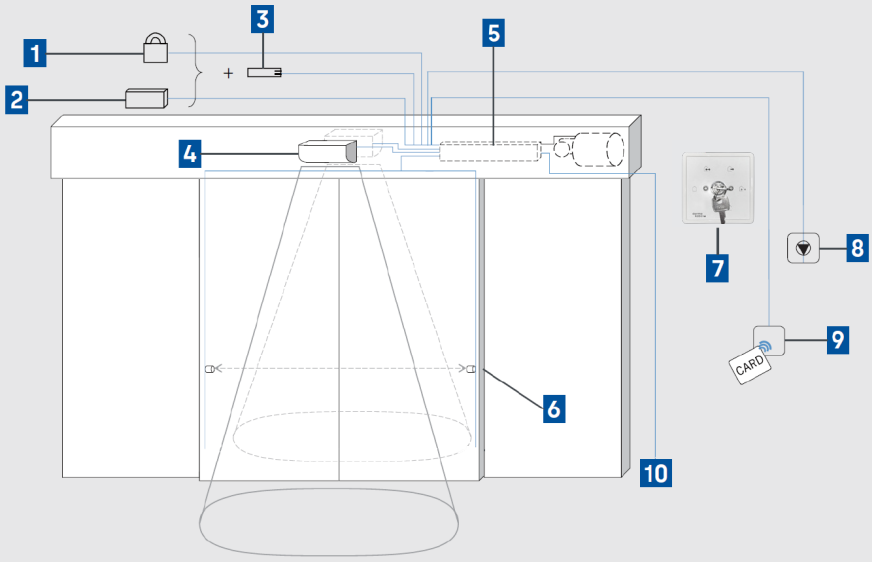
6 Prosecure safety light barrier

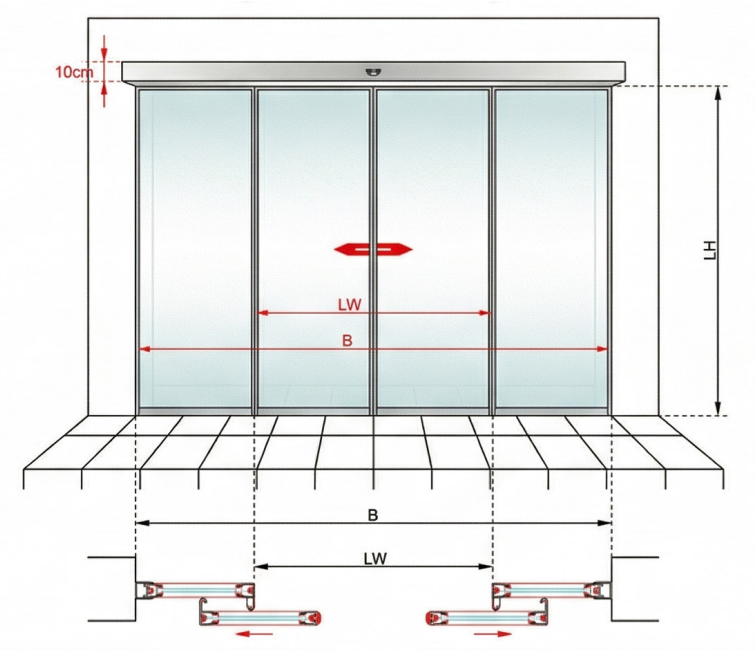
7 5 position program switch

8 Emergency button (optional)

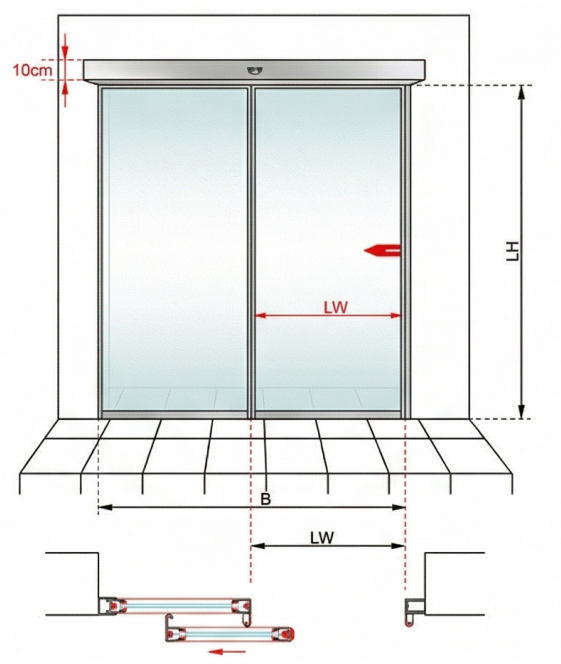
9 Card reader (optional)

10 Power supply
110-230V AC
50/60 Hz

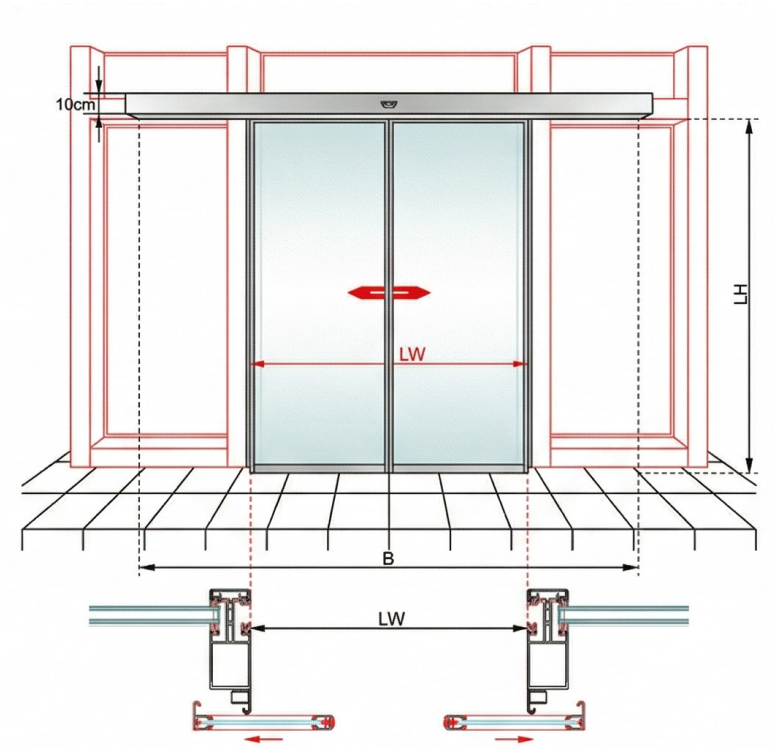




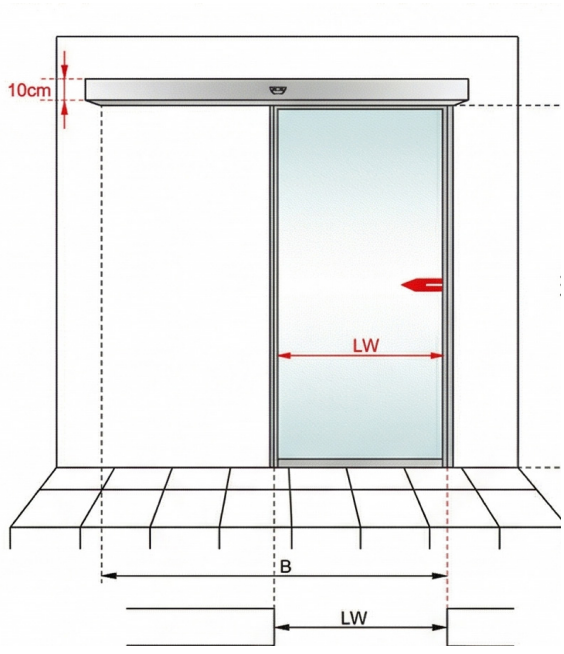
Double sliding with side panels
B = (LW x 2) + 100 mm*



Single sliding with side panel
B = (LW x 2) + 100 mm*



Double sliding
B = (LW x 2) + 100 mm*



Single sliding
B = (LW x 2) + 100 mm*

* When calculating the operator length, the "+100 mm" dimension may vary depending on the door leaf profile type and the application conditions.

Accessories

Door activator

BEA GW-1 Radar



Microwave motion detection sensor

- Detection range: 4 m × 2 m × 2.2 m
- (width × depth × height)
- Minimum speed: 5 cm/s (motion detection, measured along the sensor axis)
- Operating temperature: -20 °C to +55 °C
- IP rating: IP52

Safety sensor

Prosecure light barrier



Light barrier sensors using active infrared technology, designed to safeguard the passage area.

- Detection range
  maximum width: up to 6 m
  minimum height: 0,2 m*
- Operating temperature:
  -20 °C to +60 °C
- IP rating: IP65

* When the protection distance exceeds 1.5 m, a mounting height of at least 0.3 m is recommended.

5-position program switch



- Durable aluminum alloy panel
- Suitable for wall mounting for easy operation

Program switch modes:

Locked/closed

Open

Automatic

Partial open

Exit only

Technical specifications

dk tech 120 | Automatic sliding door operators

Door parameters	Single panel	Clear opening width	700-2500 mm
		Door panel weight	Max. 130 kg
	Double panel	Clear opening width	700-3000 mm
		Door panel weight	Max. 2 x 120 kg
Technical parameters	Height		100 mm
	Depth		180 mm
	Manual push open force (without power)		<150 N
	Opening speed		10-45 cm/s*
	Closing speed		10-40 cm/s*
	Hold open time		0-11 seconds
	Power supply		230V 50/60 Hz
	Max power		150 W
	IP rating		IP 20
	Temperature		-20 °C to +50 °C
Optional accessories	Mechanical lock	o	
	Electromechanic lock (Monostable)	o	
	Electromechanic lock (Bistable)	o	
	Backup battery	o	
Control unit	Microprocessor controller	•	
	5-position program switch	•	Locked/closed Automatic Exit only Open Partial open
	Self-learning function	•	
	Opens automatically in case of obstruction	•	
	Security open for access control	•	
	Safety input	o	Uninterrupted operation
	Backup mode (with battery)	o	Holding in locked position Emergency opening Emergency closing

• Yes o Optional

* Tested with door leaves at maximum weight.

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Door
Hardware



Electronic
Access & Data



Mechanical Key
Systems



Lodging
Systems



Enterance
Systems



Glass
Systems



Service

Sustainability

dormakaba is committed to developing its sustainability strategy with a clear focus on the company's key priorities. These priorities are defined by considering both dormakaba's contributions to sustainable development—such as job creation and educational initiatives—and the environmental impact of its operations, including energy consumption in production processes.

In addition, the areas of greatest importance to stakeholders and shareholders are also taken into account. The identified priority topics are addressed in alignment with dormakaba's four strategic focus areas for sustainability: Transparency, Processes and Production, Products, and People.

dormakaba.com.tr

dormakaba Kapı ve Güvenlik Sistemleri San. ve Tic. A.Ş.

Beylikdüzü Organize Sanayi
Bölgesi 8. Cd. Mermerciler Sanayi
Sitesi NO:1, 34524
Beylikdüzü / İstanbul

T +90 212 332 00 00

info.tr@dormakaba.com